

PC-0049 CIP

<110> Goold, Richard D.  
Akerblom, Ingrid E.  
Seilhamer, Jeffrey J.  
Coleman, Roger

<120> TUMOR SUPPRESSOR

<130> PC-0049 CIP

<140> To Be Assigned

<141> Herewith

<160> 21

<170> PERL Program

<210> 1

<211> 373

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: PANC1A

<220>

<221> unsure

<222> 20, 303, 340-341

<223> a, t, c, g, or other

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<213> Homo sapiens

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<223> Incyte ID No: PANC1B

<220>

<221> unsure

<222> 16, 277, 288, 309

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321

&lt;210&gt; 3

&lt;211&gt; 5035

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 496071CB1

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&lt;210&gt; 4

&lt;211&gt; 583

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 496071CD1

&lt;400&gt; 4

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 20 25 30  
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 35 40 45  
 Ile Gln Glu Lys Thr Gly Asn Asp Trp Val Pro Val Thr Ile Ile  
 50 55 60  
 Asp Val Arg Gly His Ser Tyr Leu Gln Glu Asn Lys Ile Lys Thr  
 65 70 75  
 Thr Asp Leu His Arg Pro Leu His Asp Glu Met Pro Gly Asn Arg

Pro Asp Val Ile	80	85	90
Glu Ser Ile Asp Ser		Gln Val Leu Gln Glu Ala	
95	100		105
Arg Pro Pro Leu	110	115	120
Val Ser Ala Asp Asp		Glu Ile Tyr Ser Thr Ser	
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Lys Ala Phe Ile	140	145	150
Gly Pro Ile Tyr Lys		Val Leu Asn Gly Ile Asn	
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Arg Asn Glu Gly	170	175	180
Arg Asn Glu Ala His		Lys Phe Asn Ser Glu Lys	
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Asp Arg Gly Gly	200	205	210
Gln Lys Glu Lys Gln		Lys Phe Asn Ser Glu Lys	
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Ser Glu Ile Asp	230	235	240
Asn Glu Leu Phe Gln		Phe Tyr Lys Glu Ile Glu	
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Glu Leu Glu Lys	260	265	270
Glu Lys Asp Gly Phe		Glu Asn Ser Cys Lys Glu	
275	280		285
Ser Glu Pro Ser	290	295	300
Gln Glu Gln Phe Val		Pro Phe Tyr Glu Gly His	
305	310		315
Asn Asn Gly Leu	320	325	330
Leu Lys Pro Asp Glu		Glu Lys Lys Asp Leu Ser	
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Asn Lys Ala Met	350	355	360
Pro Ser His Cys Asp		Tyr Gln Gln Asn Leu Gly	
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Asn Glu Pro Asp	380	385	390
Lys Tyr Pro Cys Asn		Gly Gln Val Ile Pro Thr	
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Phe Cys Asp Thr	410	415	420
Ser Phe Thr Ser Phe		Arg Pro Glu Trp Gln Ser	
425	430		435
Val Tyr Pro Phe	440	445	450
Ile Val Pro Tyr Gly		Pro Pro Leu Pro Ser Leu	
455	460		465
Asn Tyr His Leu	470	475	480
Asn Ile Gln Arg Phe		Ser Gly Pro Pro Asn Pro	
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Pro Ser Asn Ile	500	505	510
Phe Gln Ala Gln Asp		Asp Ser Gln Ile Gln Asn	
515	520		525
Gly Tyr Tyr Val		Asn Asn Cys His Val	
525	530		535
Phe Asp Gln Asn	540	545	550
Asn Glu Tyr Thr Asp		Cys Ser Glu Asn Arg Ser	
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Ser Val His Pro	570	575	580
Ser Gly Asn Gly Cys		Ser Met Gln Asp Arg Tyr	
585	590		595
Val Ser Asn Gly	600	605	610
Phe Cys Glu Val Arg		Glu Arg Cys Trp Lys Asp	
615	620		625
His Cys Met Asp	630	635	640
Lys His Asn Gly Thr		Asp Arg Phe Val Asn Gln	
645	650		655
Gln Phe Gln Glu	660	665	670
Glu Lys Leu Asn Lys		Leu Gln Lys Leu Leu Ile	
675	680		685
Leu Leu Arg Gly	690	695	700
Leu Pro Gly Ser Gly		Lys Thr Thr Leu Ser Arg	
705	710		715
Ile Leu Leu Gly	720	725	730
Gln Asn Arg Asp Gly		Ile Val Phe Ser Thr Asp	
735	740		745
Asp Tyr Phe His	750	755	760
His Gln Asp Gly Tyr		Arg Tyr Asn Val Asn Gln	
765	770		775
Leu Gly Asp Ala	780	785	790
His Asp Trp Asn Gln		Asn Arg Ala Lys Gln Ala	
795	800		805
Ile Asp Gln Gly	810	815	820
Arg Ser Pro Val Ile		Ile Asp Asn Thr Asn Ile	
825	830		835
Gln Ala Trp Glu	840	845	850
Met Lys Pro Tyr Val		Glu Val Ala Ile Gly Lys	
855	860		865
Gly Tyr Arg Val	870	875	880
Glu Phe His Glu Pro		Glu Thr Trp Trp Lys Phe	
885	890		895
Asp Pro Glu Glu	900	905	910
Leu Glu Lys Arg Asn		Lys His Gly Val Ser Arg	
915	920		925

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Lys	Lys	Ile	Ala	Gln	Met	Leu	Asp	Arg	Tyr	Glu	Tyr	Gln	Met	Ser
				530					535					540
Ile	Ser	Ile	Val	Met	Asn	Ser	Val	Glu	Pro	Ser	His	Lys	Ser	Thr
				545					550					555
Gln	Arg	Pro	Pro	Pro	Pro	Gln	Gly	Arg	Gln	Arg	Trp	Gly	Gly	Ser
				560					565					570
Leu	Gly	Ser	His	Asn	Arg	Val	Cys	Val	Thr	Asn	Asn	His		
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<210> 5  
<211> 359  
<212> DNA  
<213> Homo sapiens

<220>  
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<220>  
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<222> 20, 303, 340-341  
<223> a, t, c, g, or other

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<210> 6  
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<213> Homo sapiens

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<223> a, t, c, g, or other

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<210> 7  
<211> 338  
<212> DNA  
<213> Homo sapiens

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<223> Incyte ID No: 496071

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<220>

<221> unsure

<222> 61, 200, 282, 319-320

<223> a, t, c, g, or other

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<210> 8

<211> 252

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 555403

<220>

<221> unsure

<222> 16, 124-125, 173, 216, 244

<223> a, t, c, g, or other

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<210> 9

<211> 271

<212> DNA

<213> Homo sapiens

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<221> unsure

<222> 7, 227, 238, 259

<223> a, t, c, g, or other

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<210> 10

<211> 132

<212> PRT

<213> Homo sapiens

PC-0049 CIP

<220>

<221> misc\_feature

<223> Incyte ID No: g533948

<400> 10

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Leu	Ser	Pro	Leu	Phe	Phe	His	Leu	His	Arg	Gly	Ser	Cys	Leu	Pro
			20						25					30
Lys	Arg	Arg	Phe	Tyr	Trp	Glu	Val	Lys	Val	Asn	Ala	Gly	Ser	Lys
			35						40					45
Met	Ser	Tyr	Gly	Glu	Ile	Glu	Gly	Lys	Phe	Leu	Gly	Pro	Arg	Glu
			50						55					60
Glu	His	Asn	His	Ser	Asn	Ala	Asp	Phe	His	Arg	Ile	Gln	Glu	Lys
			65						70					75
Thr	Gly	Asn	Asp	Trp	Val	Pro	Val	Thr	Ile	Ile	Asp	Val	Arg	Gly
			80						85					90
His	Ser	Tyr	Leu	Gln	Glu	Asn	Lys	Ile	Lys	Thr	Thr	Asp	Leu	His
			95						100					105
Arg	Pro	Leu	His	Asp	Glu	Met	Pro	Gly	Asn	Arg	Pro	Asp	Val	Ile
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<210> 11

<211> 407

<212> DNA

<213> Homo sapiens

<220>

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gaaatgattg	ggctccctgtg	accatcattg	atgtcagagg	acatagttat	ttgcaggaga		300
acaaaatcaa	aactacagat	ttgcatagac	ctttgcatga	tgagatgcct	ggtaatagac		360
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<210> 12

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: PANC 1B

<220>

<221> unsure

<222> 5, 44, 75, 101

<223> unknown or other

<400> 12

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				35					40					45
Glu	Val	Thr	Ser	Glu	Pro	Arg	Cys	Lys	Lys	Leu	Lys	Ser	Thr	Thr
				50					55					60
Glu	Ser	Tyr	Val	Phe	His	Asn	His	Ser	Asn	Ala	Asp	Phe	His	Xaa
				65					70					75
Ile	Gln	Glu	Lys	Thr	Gly	Asn	Asp	Trp	Val	Pro	Val	Thr	Ile	Ile
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<210> 13  
<211> 598  
<212> DNA  
<213> Rattus norvegicus

<220>  
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<223> Incyte ID No: 702456952T1

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<212> DNA  
<213> Rattus norvegicus

<220>  
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<210> 15  
<211> 487  
<212> DNA  
<213> Macaca fascicularis



&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 703193506J1

&lt;400&gt; 15

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&lt;210&gt; 16

&lt;211&gt; 258

&lt;212&gt; DNA

&lt;213&gt; Macaca fascicularis

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 700705495H1

&lt;400&gt; 16

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atccctctgg aaaggctg                                         258

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&lt;210&gt; 17

&lt;211&gt; 158

&lt;212&gt; DNA

&lt;213&gt; Macaca fascicularis

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 703194520J1

&lt;400&gt; 17

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attgcttggg atttaaaaat ctataaaaat gtgaaatt                                         158

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&lt;210&gt; 18

&lt;211&gt; 632

&lt;212&gt; DNA

&lt;213&gt; Canis familiaris

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 703518548J1

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 481

&lt;223&gt; a, t, c, g, or other

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aagggcaagc	aacaaacatg	ttagctgaaa	agagccaatt	taatgattat	ttgtaacaga	180
gacttgatta	tgtgagccta	gagagcctcc	ccacctctgt	ctccccctgtg	aaggaggagg	240
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<213> Canis familiaris

<223> Incyte ID No: 703533094J1

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<213> Canis familiaris

<223> Incyte ID No: 703523973J1

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10

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<211> 254

<212> DNA

<213> Mus muscularis

<220>

<221> misc\_feature

<223> Incyte ID No: 700120347H1

<400> 21

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